



LUMINAIRE TESTING LABORATORY, INC.

SUSTAINING
MEMBER
of the
IESNA

905 Harrison Street · Allentown, PA 18103 · 610-770-1044 · Fax 610-770-8912 · www.LuminaireTesting.com

LTL NUMBER: 21887

DATE: 2010-12-15

PREPARED FOR: BETA LED A DIVISION OF RUUD LIGHTING INC.

CATALOG NUMBER: STR-LWY-2S-**-06-D-UL-700-43K OR BXSL0F06D-UD7 (700mA)

LUMINAIRE: CAST ALUMINUM HOUSING, EXTRUDED ALUMINUM HEATSINKS, NO ENCLOSURE.

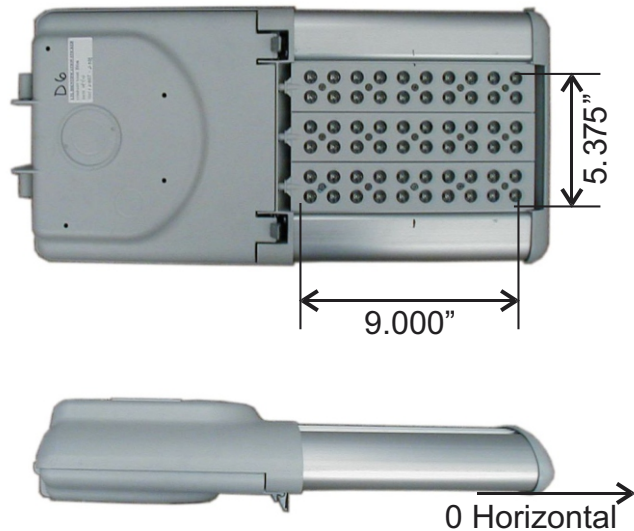
LAMP: 60 WHITE LEDS WITH CLEAR PLASTIC OPTICS BELOW EACH

LED POWER SUPPLY: ONE BETA CE366X01R0

ELECTRICAL VALUES: 240.0VAC, 0.5705A, 134.7W, PF=0.984

LUMINAIRE EFFICACY: 76.7 LUMENS/WATT

NOTE: THIS TEST WAS PERFORMED USING THE CALIBRATED PHOTODETECTOR METHOD OF ABSOLUTE PHOTOMETRY.*



IES CLASSIFICATION: **TYPE II**
LONGITUDINAL CLASSIFICATION: **SHORT**
CUTOFF CLASSIFICATION: **CUTOFF****

**CUTOFF DESIGNATION IS NOT DEFINED FOR ABSOLUTE PHOTOMETRIC TESTS. THIS CUTOFF RATING IS BASED ON THE MAXIMUM CANDELA READING PER LUMINAIRE RATED AT 1000 LUMENS.

FLUX DISTRIBUTION

LUMENS	DOWNWARD	UPWARD	TOTALS
HOUSE SIDE	3732.46	0.00	3732.46
STREET SIDE	6604.48	0.00	6604.48
TOTALS	10336.94	0.00	10336.94

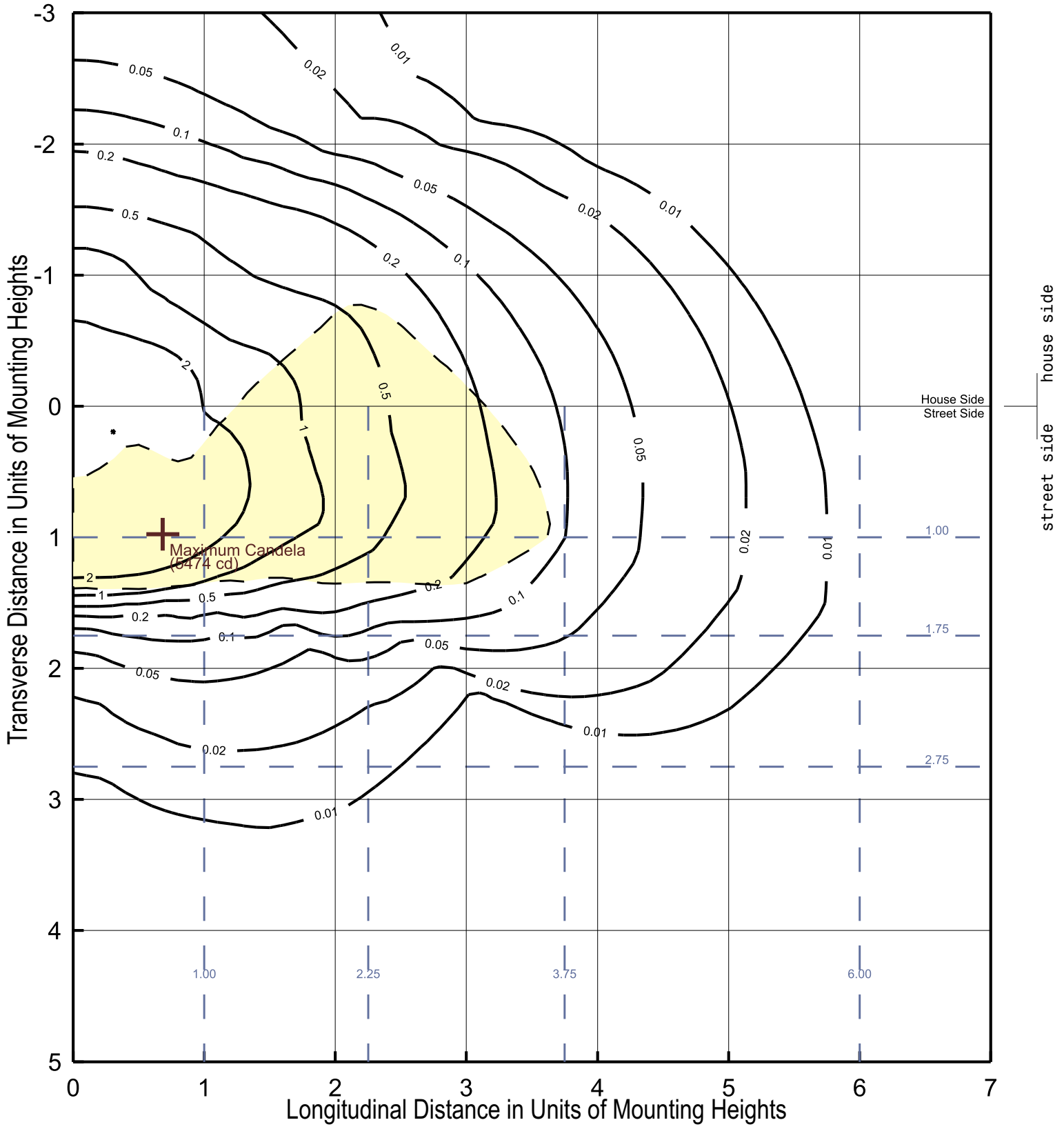
Approved By: MG

*DATA WAS ACQUIRED USING THE CALIBRATED PHOTODETECTOR METHOD OF ABSOLUTE PHOTOMETRY. A UDT MODEL #211 PHOTODETECTOR AND UDT MODEL #S370 OPTOMETER COMBINATION WERE USED AS A STANDARD. A SPECTRAL MISMATCH CORRECTION FACTOR WAS EMPLOYED BASED ON THE SPECTRAL RESPONSIVITY OF THE PHOTODETECTOR AND THE SPECTRAL POWER DISTRIBUTION OF THE TEST SUBJECT.

TESTING WAS PERFORMED IN ACCORDANCE WITH IES LM-79-08.
TEST ANGULAR INCREMENTS AND REPORT FORMATTING WAS BASED ON IES LM-31-95.



ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION VALUES BASED ON 20.00 FOOT MOUNTING HEIGHT



PROJECTION OF HALF-MAX CANDELA CONTOUR



CANDELA DISTRIBUTION

Table with 12 columns (0-90) and 21 rows (180-0) showing Candela Distribution values. The value 5474 is highlighted in the row for 50 and column for 35.

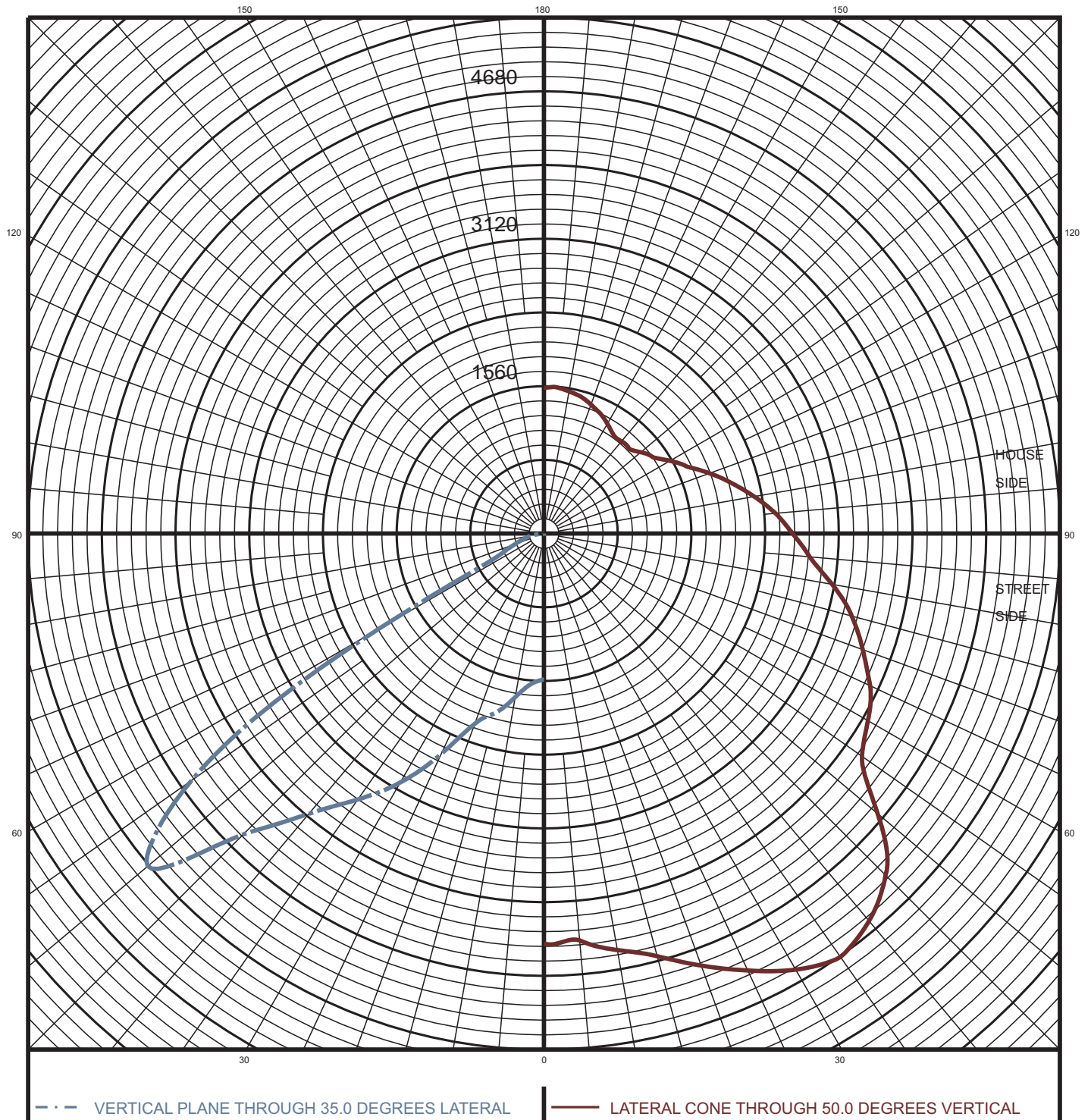


CANDELA DISTRIBUTION

Table with 11 columns (95, 105, 115, 125, 135, 145, 155, 165, 175, 180) and 19 rows (180, 175, 165, 155, 145, 135, 125, 115, 105, 95, 90, 87.5, 85, 82.5, 80, 77.5, 75, 72.5, 70, 67.5, 65, 62.5, 60, 57.5, 55, 52.5, 50, 47.5, 45, 40, 35, 30, 25, 20, 15, 10, 5, 0). Values represent candela distribution for various beam angles.



MAXIMUM PLANE AND CONE PLOTS OF CANDELA





FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

FLUX

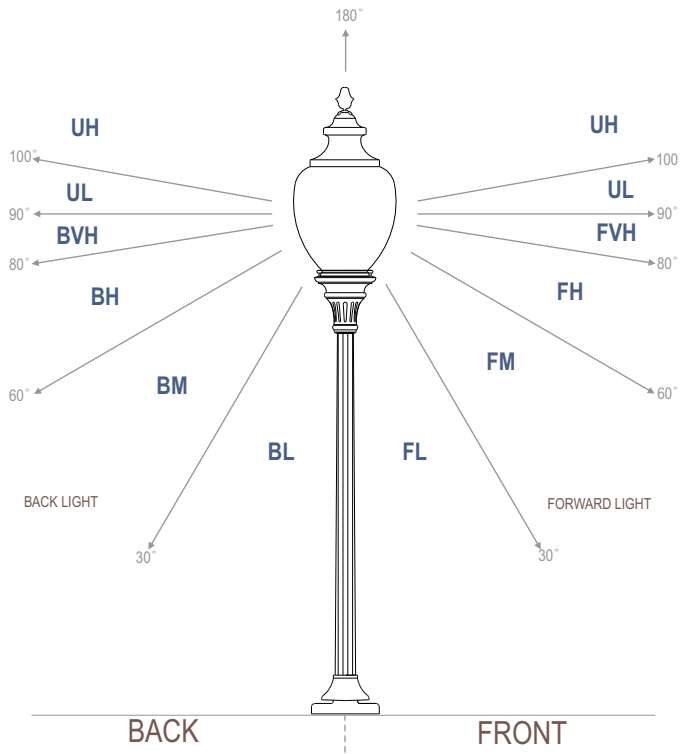
% OF

LUMINAIRE LUMINAIRE

ZONE

LUMENS

LUMENS



FORWARD LIGHT	6604	63.9
FL (0° -30°)	949	9.2
FM (30° -60°)	4088	39.5
FH (60° -80°)	1522	14.7
FVH (80° -90°)	46	0.4

BACK LIGHT	3732	36.1
BL (0° -30°)	730	7.1
BM (30° -60°)	1912	18.5
BH (60° -80°)	1080	10.5
BVH (80° -90°)	10	0.1

UPLIGHT	0	0.0
UL (90° -100°)	0	0.0
UH (100° -180°)	0	0.0

TRAPPED LIGHT	NA	NA
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BUG (Backlight, Uplight, Glare) Rating	
Asymmetrical Luminaire Types (Type I, II, III, IV)	B3 U1 G3
Quadrilateral Symmetrical Luminaire Types (Type V, Area Light)	B3 U1 G1